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- AN** - 2004-093532 [10]
- TI** - Packaging bag for accommodating liquid, has plastic film with heat sealing and non-heat sealing portions defining opening such that no microgap is formed in non-heat sealing portion
- AB** - JP2003165550 NOVELTY - The inner-face of a plastic film comprising polyolefin layer, has a heat sealing portion (2) and a non-heat sealing portion (6) defining an opening. A boundary line (A) between the heat sealing and non-heat sealing portions and the non-heating sealing portion mutually contact each other such that no microgap is formed in the non-heat sealing portion.
- **DETAILED DESCRIPTION** - The non-heat sealing portion is cut vertically with respect to the boundary line between the heat sealing and non-heat sealing portions such that the angle between the cut portions is 20 deg. or less. A fixed quantity chamber provided at the upper portion of the opening is connected to a liquid storage chamber of the packaging bag. Partitions are provided between the opening and the liquid storage chamber. **INDEPENDENT CLAIMS** are also included for the following:
- (1) packaging bag manufacturing method; and
 - (2) packaging bag manufacturing apparatus.
 - **USE** - Packaging bag for accommodating liquid.
 - **ADVANTAGE** - Since no micro gap is formed in the non-heat sealing portion, the oozing out of liquid from the packing bag is prevented even if the bag is hanged in up-side down condition, after opening it.
 - **DESCRIPTION OF DRAWING(S)** - The figure shows the comparative enlarged cross-sectional views of the packaging bag.
 - heat sealing portion 2
 - non-heat sealing portion 6
 - boundary line between heat sealing and non-heat sealing portions A
 - (Dwg.3/24)
- IW** - PACKAGE BAG ACCOMMODATE LIQUID PLASTIC FILM HEAT SEAL NON HEAT SEAL PORTION DEFINE OPEN NO FORMING NON HEAT SEAL PORTION
- PN** - JP2003165550 A 20030610 DW200410 B65D33/36 018pp
- IC** - B65D33/36
- MC** - A04-G01E A11-A05C A11-C01A1 A12-P02
- DC** - A92 Q32
- PA** - (TOYO) TOYO SEIKAN KAISHA LTD
- AP** - JP20020117342 20020419
- PR** - JP20010282750 200109JP, 0010139440 20010510

